

Søren Jessen

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

1,056
citations

567281

15
h-index

414414

32
g-index

34
all docs

34
docs citations

34
times ranked

1186
citing authors

#	ARTICLE	IF	CITATIONS
1	Analysis of oxygen isotopes of inorganic phosphate ($\delta^{18}O_p$) in freshwater: A detailed method description for obtaining oxygen isotopes of inorganic phosphate in environmental water samples. <i>MethodsX</i> , 2022, 9, 101706.	1.6	2
2	Nitrogen Loads to Streams: Importance of Bypass Flow and Nitrate Removal Processes. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021, 126, e2020JG006111.	3.0	8
3	Early historical forest clearance caused major degradation of water quality at Lake VÃng, Denmark. <i>Anthropocene</i> , 2021, 35, 100302.	3.3	2
4	Simulation of Density and Flow Dynamics in a Lagoon Aquifer Environment and Implications for Nutrient Delivery From Land to Sea. <i>Frontiers in Water</i> , 2021, 3, .	2.3	1
5	Shallow retardation of the strontium isotope signal of agricultural liming - implications for isoscapes used in provenance studies. <i>Science of the Total Environment</i> , 2020, 706, 135710.	8.0	37
6	Groundwater-controlled phosphorus release and transport from sandy aquifer into lake. <i>Limnology and Oceanography</i> , 2020, 65, 2188-2204.	3.1	26
7	The link between surface water and groundwater-based drinking water - strontium isotope spatial distribution patterns and their relationships to Danish sediments. <i>Applied Geochemistry</i> , 2020, 121, 104698.	3.0	29
8	Riparian Lowlands in Clay Till Landscapes: Part I - Heterogeneity of Flow Paths and Water Balances. <i>Water Resources Research</i> , 2020, 56, e2019WR025808.	4.2	9
9	Riparian Lowlands in Clay Till Landscapes Part II: Nitrogen Reduction and Release Along Variable Flow Paths. <i>Water Resources Research</i> , 2020, 56, e2019WR025810.	4.2	3
10	Model-based interpretation of hydrogeochemistry and arsenic mobility in a low-enthalpy hydrothermal system. <i>Journal of Geochemical Exploration</i> , 2020, 214, 106534.	3.2	4
11	Sub-permafrost methane seepage from open-system pingos in Svalbard. <i>Cryosphere</i> , 2020, 14, 3829-3842.	3.9	18
12	Numerical modelling of permafrost spring discharge and open-system pingo formation induced by basal permafrost aggradation. <i>Cryosphere</i> , 2020, 14, 4627-4651.	3.9	9
13	Spatio-temporal variations of shallow and deep well groundwater nitrate concentrations along the Indus River floodplain aquifer in Pakistan. <i>Environmental Pollution</i> , 2019, 253, 384-392.	7.5	18
14	Role of Groundwater-Borne Geogenic Phosphorus for the Internal P Release in Shallow Lakes. <i>Water (Switzerland)</i> , 2019, 11, 1783.	2.7	13
15	Application of Stable Isotopes of Water to Study Coupled Submarine Groundwater Discharge and Nutrient Delivery. <i>Water (Switzerland)</i> , 2019, 11, 1842.	2.7	13
16	The Role of Management of Stream - Riparian Zones on Subsurface - Surface Flow Components. <i>Water (Switzerland)</i> , 2019, 11, 1905.	2.7	8
17	Dissolved Inorganic Geogenic Phosphorus Load to a Groundwater-Fed Lake: Implications of Terrestrial Phosphorus Cycling by Groundwater. <i>Water (Switzerland)</i> , 2019, 11, 2213.	2.7	16
18	Assessing seasonal flow dynamics at a lagoon saltwater - freshwater interface using a dual tracer approach. <i>Journal of Hydrology: Regional Studies</i> , 2018, 17, 24-35.	2.4	12

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19	Decadal variations in groundwater quality: A legacy from nitrate leaching and denitrification by pyrite in a sandy aquifer. <i>Water Resources Research</i> , 2017, 53, 184-198.	4.2	38
20	Spatiotemporal variation of stable isotopic composition in precipitation: Post-€condensational effects in a humid area. <i>Hydrological Processes</i> , 2017, 31, 3146-3159.	2.6	15
21	Groundwater transport of Cu in laterites in Zambia. <i>Applied Geochemistry</i> , 2015, 56, 94-102.	3.0	4
22	Technical Note: Mesocosm approach to quantify dissolved inorganic carbon percolation fluxes. <i>Biogeosciences</i> , 2014, 11, 1077-1084.	3.3	5
23	Inorganic carbon fluxes across the vadose zone of planted and unplanted soil mesocosms. <i>Biogeosciences</i> , 2014, 11, 7179-7192.	3.3	12
24	Effects of Lime and Concrete Waste on Vadose Zone Carbon Cycling. <i>Vadose Zone Journal</i> , 2014, 13, 1-11.	2.2	10
25	Hydrology and pore water chemistry in a permafrost wetland, Ilulissat, Greenland. <i>Water Resources Research</i> , 2014, 50, 4760-4774.	4.2	38
26	Adsorption and desorption of arsenic to aquifer sediment on the Red River floodplain at Nam Du, Vietnam. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 142, 587-600.	3.9	74
27	Surface complexation modeling of groundwater arsenic mobility: Results of a forced gradient experiment in a Red River flood plain aquifer, Vietnam. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 98, 186-201.	3.9	52
28	Mobilization of arsenic and iron from Red River floodplain sediments, Vietnam. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 3367-3381.	3.9	119
29	Controlling geological and hydrogeological processes in an arsenic contaminated aquifer on the Red River flood plain, Vietnam. <i>Applied Geochemistry</i> , 2008, 23, 3099-3115.	3.0	60
30	Palaeo-hydrogeological control on groundwater As levels in Red River delta, Vietnam. <i>Applied Geochemistry</i> , 2008, 23, 3116-3126.	3.0	36
31	Arsenic in groundwater of the Red River floodplain, Vietnam: Controlling geochemical processes and reactive transport modeling. <i>Geochimica Et Cosmochimica Acta</i> , 2007, 71, 5054-5071.	3.9	340
32	Hydrogen Thresholds and Steady-State Concentrations Associated with Microbial Arsenate Respiration. <i>Environmental Science & Technology</i> , 2007, 41, 2311-2317.	10.0	21